

26TH ANNUAL

Academic



SPREE

Day

APRIL 27, 2016
12-4:30 P.M.

HIGGINS UNIVERSITY CENTER
TILTON HALL

GODDARD LIBRARY
ACADEMIC COMMONS



Location Cheat Sheet

Department/Program	Posters are in:	Oral Presentations/Panels are in:
Art History	-	Grace (UC)
Biochemistry and Molecular Biology	Tilton (UC)	-
Biology	Tilton (UC)	-
Chemistry	Tilton (UC)	-
Computer Science	Academic Commons	Rosenblatt (UC)
Cultural Anthropology	Academic Commons	-
Cultural Studies and Communication	Academic Commons	
Economics	Academic Commons	-
Education	Academic Commons	-
English	Academic Commons	-
Environmental Science	Tilton (UC)	-
Geography	Tilton (UC)	Fuller (Library-4 th Floor)
Global Environmental Studies	Tilton (UC)	-
HERO -The Human-Environment Regional Observatory	Tilton (UC)	-
History	Academic Commons	Grace (UC)
Holocaust and Genocide Studies	-	Lurie (UC)
Innovation and Entrepreneurship	Academic Commons	Grace (UC)
Interdisciplinary Projects	Academic Commons	-
International Development and Social Change	Academic Commons	-
Mathematics	Academic Commons	Rosenblatt (UC)
Music	-	Grace (UC) & Traina Center
Physics	Academic Commons	-
Political Science	-	Rosenblatt (UC)
Public Health	Tilton (UC)	-
Psychology	Tilton (UC)	Prouty (Library-4 th Floor)
Rare Book Open House	-	Academic Commons
Scholarly Undergraduate Research Journal (SURJ)	-	Academic Commons
Screen Studies	-	Prouty (Library-4 th Floor)
Sociology	Tilton (UC)	-
Steinbrecher Fellowship Program	-	Lurie (UC)
Studio Art	-	Traina Center
Visual and Performing Arts	-	Traina Center
Women's and Gender Studies	Academic Commons	-

If the presentation you are looking for isn't listed with the program you think it should be, check under "Interdisciplinary Projects."

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ORAL PRESENTATIONS AND PANELS

Grace Conference Room (University Center-1st Floor)

Music (12:00-12:20pm)

12:00-12:20 *Do different moods of classical moods affect emotion?* Ariel Rubin '16
(Sponsor: Professor Benjamin Korstvedt)

Innovation and Entrepreneurship (12:25-12:45pm)

12:25-12:45 *Worcester Soccer House: Shaping the City through Soccer.*
Mohamed Elmaola '18 & Dimitri Savidis '18
(Sponsor: Professor Shari Worthington)

Art History Program Round Table Discussion (1:30-2:30pm)

Cyanotypes: Photography's Blue Period - An Exhibition and Catalogue at the Worcester Art Museum Featuring Undergraduate Student Research

Faculty Sponsor: (Professor Kristina Wilson)

1:30-1:40 *Seeing Blue: Delving into Cyanotype Research.* Hannah Jaffe '16 - LEEP Project

1:40-2:15 *Student Round Table Discussion:*
Mehran Mehrdad Ali '16
Gabrielle Belisle '17
Grant Henry '17
Mary Iorio '17
Hannah Millen '16
Rachel Polinsky '16
Casey Shea '16

2:15-2:30 *The Golden Ibex from Akrotiri.* Rachel Polinsky '16
(Sponsor: Professor Rhys Townsend)

Grace Conference Room (University Center-1st Floor) - continued

History Honors Program (3:00-4:15pm)

- 3:00-3:15 *The Influence of Religion on U.S. Presidents: 1945-1960.* **Matthew Rice '16**
(Sponsor: Professor Doug Little)
- 3:15-3:30 *Self-Made men: An Inter-Generational Study of Thomas, Abraham, and Robert Lincoln in the 19th Century.* **Gretta S. Cox-Gorton '16**
(Sponsor: Professor Drew McCoy)
- 3:30-3:45 *Gustavus Adolphus and the Swedish Empire, 1611-1721.*
Gregory Gaines '16 (Sponsor: Professor Wim Klooster)
- 3:45-4:00 *The American Genesis: How and Why the Apotheosis of Our Nation's Founders Came About.* **Robert Burns '16** (Sponsor: Professor Drew McCoy)
- 4:00-4:15 *The TAZARA Railway in the Cold War Perspective.* **Pingzhen Hu '16**
(Sponsor: Professor Doug Little).

Lurie Conference Room (University Center-1st Floor)

Holocaust and Genocide Studies (1:00-2:00pm)

Panel Chair: (Professor Shelly Tenenbaum)

- 1:00-2:00 *A Stain on Medicine: Turkish Physicians in the Armenian Genocide.*
Andrew Bellesis '16 (Sponsor: Professor Patrick Derr)
- 1:00-2:00 *Effect of Passing as Non-Jewish on Resistance During the Holocaust.*
Pooja Patel '16 (Sponsor: Professor Johanna Vollhardt)
- 1:00-2:00 *Religion and The Holocaust.* **Claire Pollak '16**
(Sponsor: Professor Johanna Vollhardt)
- 1:00-2:00 *Agency and Divine Intervention: Explaining Holocaust Survival.*
India Spears '16 (Sponsor: Professor Johanna Vollhardt)

Steinbrecher Fellowship Program (2:00-4:00pm)

Program Director: (Professor Sharon Krefetz)

- 2:00-2:15 *Autism, Aggression and Courtesy Stigma: Public Perception of Parents with Children on the Spectrum.* **Kayla Landis '16**
(Sponsor: Professor Nicole Overstreet)
- 2:15-2:30 *My Two Grandmothers: Comparing the Experiences and Views of Catholic Women living in Poland during World War II and the Communist Regime.*
Alicja Gancarz '17 (Sponsor: Professor Valerie Sperling)
- 2:30-2:45 *Understanding the Forces Maintaining Copy Number Variation: the Important Partnership of Science and Science Communication.* **Julianne Murphy '17** (Sponsor: Professor John Gibbons)
- 2:45-3:00 *Coexistence in a South African Post-Apartheid Village.* **Devra Goldstein '16**
(Sponsor: Professor Cynthia Caron)
- 3:00-3:15 *African American Women's Politics: An Examination of Personal Conservatism on Political Action.* **Brittany Klug '16** (Sponsor: Esther Jones)
–LEEP Project
- 3:15-3:30 *How 24 Recycling Bags Encouraged Recycling in Ulaanbaatar, Mongolia.*
Oyut Amarjargal '16 (Sponsor: Professor Deborah Martin)
- 3:30-4:00 *Lifting the Curtain on Myanmar's Foreign Investments.* **Sanika Shah '16**
(Sponsor: Professor Yuko Aoyama)

Rosenblatt Conference Room (University Center-1st Floor)

Mathematics (12:30-1:00pm)

12:30-1:00 *Topics in Algebraic Geometry. Nizar Naitlho '16*
(Sponsor: Professor Lawrence Morris)

Computer Science Honors (1:05-2:45pm)

1:05-1:30 *PASS: Programming Assignment Submission System. Sam Kovaka '16*
(Sponsor: Professor Li Han)

1:30-1:55 *SLAMming ROBOT: Computer Honors Project Presentation.*
Sarjan Shrestha '16 (Sponsor: Professor Li Han)

1:55-2:20 *Row Android: A Multicast Packet Rowing Application. Josh Cogswell '16*
(Sponsor: John Magee)

2:20-2:45 *Honors Project: Apply Machine Learning Techniques to Digit Recognition.*
Hoang Nguyen '16 (Sponsor: John Magee)

Computer Science (2:45-3:00pm)

2:45-3:00 *Transforming Images into Art with Deep Learning. Jiri Roznovjak '18*
(Sponsor: Professor John Magee)

Political Science (3:30-4:30pm)

3:30-4:30 *Law and Politics in the United States.*

Lauren Howard '17, Fourth Amendment and DNA Data Privacy.

Kasey Poulin '16, Interning with Congressman McGovern.

Kai Glick '16, Interning with the District Attorney's Office.

Ryan Early '16, Comparing a Congressman in his District and in D.C.

(Sponsor: Professor Mark Miller)

Fuller Conference Room (Goddard Library-4th Floor)

Geography (1:00-3:00pm)

- 1:00-3:00 *Creating Food Systems Change: The Real Food Challenge at Clark University.* **Kaila Sauer '18, Samantha Flanagan '18, Taylor Miller '18, Hannah Silverfine '16, Talia Gallagher '17 & Isaac Stone '19**
(Sponsor: Professor Ken Maclean)

Prouty Conference Room (Goddard Library-4th Floor)

Screen Studies (2:00-2:20)

- 2:00-2:20 *The Bauls of Bangladesh: A Documentary.* **Bareesh Chowdhury '17**
(In collaboration with Talat Ahmed, co-director of documentary;
Sponsor: Professor Srinivasan Sitaraman) - LEEP Project

Psychology (2:30-3:40)

- 2:30-2:55 *Table Talk: College Women's Discourses Surrounding Food, Dieting, and Body Image.* **Gianna Bizzarro '16** (in collaboration with Justin Laplante, graduate student; Sponsor: Professor James Córdova)
- 3:00-3:20 *I'll Do Good If Nobody Finds Out: Can Purpose Explain The Altruism Question?* **Eliana Hadjiandreou '16** (Sponsor: Professor Seana Moran)
- 3:25-3:40 *Clark Student Views and Suggestions for Clark Counseling Services.* **Rachel Kaplan '17** (Sponsor: Professor Elena Zaretsky)

POSTER SESSIONS

Tilton Hall (University Center-2nd floor)

Biochemistry and Molecular Biology

1. *Structural Studies of C-Terminal Binding Protein: Working Towards an Understanding of the Formation of Homotetramers. Andrew Bellesis '16* (Sponsor: Professor William Royer)
2. *Alpha-Helix Formation in Islet Amyloid Polypeptide by Circular Dichroism and Limited Proteolysis. Astha Bilimoria '16* (Sponsor: Professor Noel Lazo)
3. *Studying the Inhibition of Lysyl Oxidase and other Amine Oxidases. Ashley Burke '16 & Maria Solares Bucaro '17* (Sponsor: Professor Charles Jakobsche)
4. *Synthesis of Multifunctional Polyethylene Glycol Copolymers as Gene Delivery Vehicles. Elizabeth Chan '16 & Thanaphorn Suk-in '16* (in collaboration with Holy Cross; Sponsor: Professor Sergio Granados-Focil) - LEEP Project
5. *Biochemical and Mechanistic Studies of HERC1 E3 Ubiquitin Ligase. Feston Idrizi '16* (Sponsor: Professor Donald Spratt)
6. *Identifying Cis-Regulatory Modules That Regulate the Gene twin of eyeless in Drosophila Melanogaster. Luke Nourie '17* (Sponsor: Professor Robert Drewell) - LEEP Project
7. *Exploring the interaction between CenB and Rad4. Shivani Patel '16* (Sponsor: Professor Denis Larochelle)
8. *Investigation of CDK1-site in Src1 in Dictyostelium Discoideum. Ying Ge Wang '16* (Sponsor: Professor Denis Larochelle)
9. *Identification of the Nuclear Membrane Targeting Signal of DdSrc1 in Dictyostelium discoideum. Elizabeth Nelson '16 & Ying Ge Wang '16* (in collaboration with Xiang Ren, graduate student; Sponsor: Professor Denis Larochelle)

Biology

10. *The Hormonal Relationship between Cancer and Pregnancy*. **Aishwarya Ayyappan '18** (Sponsor: Professor Jillian Richmond)
11. *Behavioral Anti-predatory Response in Gravid Three-spine Stickleback Females*. **Sami Dokus '16 & Kelly McPartland '16** (in collaboration with Melissa Graham, graduate student; Sponsor: Professor Susan Foster) –LEEP Project
12. *Modeling Fungal Domestication through Experimental Evolution*. **Shreeya Khatiwada '16** (Sponsor: Professor John Gibbons)
13. *Parasites and Ecology in *Aedes triseriatus* and *Ae. hendersoni**. **Levi Seeley '16** (in collaboration with John Soghigian, graduate student; Sponsor: Professor Todd Livdahl)
14. *Tannic acid's impact three-spine stickleback (*Gasterosteus aculeatus*)*. **Yitao Shen '16 - Steinbrecher Fellow** (Sponsors: Professor John Baker & Fred Greenaway)
15. *Investigating the role of CG4096 in the EGFR signaling pathway*. **Siqi Yuan '17 & Pinky Htun '17** (Sponsor: Professor Justin Thackeray)
16. *Investigating Methylation Differences Within Sub-castes of *Apis mellifera**. **Ethan Wainblat '16, Rachel Orloski '17, Sarah Parker '16 & Wriju Adhikary '16** (Sponsor: Professor Robert Drewell)
17. *The Genome Sequence of the Marine Diatom *Pseudo-nitzschia australis**. **Also associated with Mathematical Biology and Bioinformatics: Tu Do '16, Cyrus Fenderson '16, Sarah Lach '17, Alexander Larin '17, Alice Lee '16, Laura Moran '17, Emily Seibring '16, Ethan Wainblat '16 & William Walker '16** (in collaboration with Melissa Graham & Jacob Steenwyk, graduate students; Sponsors: Professor John Gibbons, Deborah Robertson and the Gordon and Betty Moore Foundation)
18. *Mining Mussel Microsatellites : A search for microsatellites in the freshwater mussel *M. margaritifera**. **William Walker '16** (Sponsor: Professor John Gibbons)
19. *Spiggs in Space: biogeography and evolution of stickleback armor across Vancouver Island watersheds, BC, Canada*. **Zoe Lafrance-Armstrong '16, Anela Layugan '17, Meyru Bhanti '18, Jingzhu Hao '17, Kristen Sheldon '17, Meredith Houghton '17, Samuel Most '18, Carly Johnson '18 & Natalya Specian '17** (Sponsors: Professors Rich King & John Baker)

Chemistry

20. *Tissue Engineering*. **Victoria Bergman '16** (Sponsor: Professor Sergio Granados-Focil)
21. *The Mechanochemical Synthesis of Substituted Copper (II) Halides: Magnetic Properties*. **Jonathan Chellali '18** (Sponsors: Professor Mark Turnbull & Christopher Landee)
22. *Synthesis Methods and Analysis of 2-Chloro-3-X (X=F, Cl,Br) copper (II) Halide Complexes*. **Robert DuBois '17** (Sponsor: Professor Mark Turnbull)
23. *The Mechanochemical Synthesis of Copper (II) Complexes of Amino Pyridines: Magnetic Properties*. **Penelope Farris '18** (Sponsor: Professor Mark Turnbull)
24. *Modifications to the Synthesis of a SEVI Amyloid Fibril Binding Molecule*. **Devon Fontaine '17** (Sponsor: Professor Charles Jakobsche)
25. *Synthesis of fluorescently labelled non-viral DNA delivery agents*. **Antony Gruness '17 & Alva Tan '17** (Sponsor: Professor Sergio Granados-Focil)
26. *Copper(II) halide salts and complexes of 4-amino-2-fluoropyridine: Synthesis, structure and magnetic properties*. **Claire Krasinski '17** (Sponsor: Professor Mark Turnbull)
27. *Synthesis and Study of Persistent 1,3,2-Dithiazolyl Radicals*. **Nicholas MacArthur '16** (in collaboration with Michael Reardon & Muyun Xu, graduate students; Sponsor: Professor Charles Jakobsche)
28. *Phase Change Materials*. **Spencer Mayotte '16 & Daniel Harris '16** (Sponsor: Professor Sergio Granados-Focil) - LEEP Project
29. *Synthesis and Optimization of Cross Linked Methacrylate Polymers*. **Daniel Harris '16** (Sponsor: Professor Sergio Granados-Focil)
30. *Synthesis and Characterization of Polyethyleneimine-Based Anionic Exchange Membranes for Use in Flow Batteries*. **David Powers '16** (Sponsor: Professor Sergio Granados-Focil)

Environmental Science

31. *"Dooda: No Violation on Our Sacred Sites": Water Monitoring, Hydraulic Fracturing and the Diné Navajo Community of New Mexico*. **Katherine Dixon '16** (in collaboration with The Western Environmental Law Center; Sponsor: Professor Cynthia Caron) - LEEP Project
32. *How does tree functional diversity affect aboveground carbon storage in tropical pastures*. **Stephanie Funk '16** (in collaboration with Achim Haeger; Sponsor: Professor John Baker)
33. *Improving Campus Irrigation Technologies at Clark University*. **Melissa Miller '16, Wilhem Diehl '18 & Andrew Nickerson '19** (Sponsor: Jenny Isler) - LEEP Project

Geography

34. Urban Clark Beekeeping. **Emma Berman '16** (Sponsor: Professor Jody Emel) - LEEP Project
35. *Does Gender Affect Meat Consumption in the U.S.?: An Interdisciplinary Study.* **Alexandra Cohen '16** (Sponsor: Professor Jody Emel)
36. *Painted Walls as Policy.* **Alex Hayes '16** (Sponsors: Professor Mark Davidson & Peter J. Condakes Summer Research Fellowship Award)
37. *Children's perceptions of the environment in Worcester, MA: An evaluation of environmental education in an urban environment.* **Kimberly Johnson '16** (Sponsor: Professor John Rogan)
38. *Tracking Land Use Change in Nueva Loja Ecuador and Cuyabeno Wildlife Reserve.* **Zac Peloquin '16** (Sponsors: Professors Florencia Sangermano & John Baker)

Global Environmental Studies

39. *Mapping Mangrove Distribution and Change in Northwestern Madagascar.* **Katherine Landesman '16** (in collaboration with Trevor Jones; Sponsor: Professor John Rogan)

HERO - The Human-Environment Regional Observatory

40. *Modeling Hydrological Ecosystem Services of Juvenile Trees in Worcester, MA.* **Ali Filipovic '17** (in collaboration with Arthur Elmes, graduate student; Sponsors: Professors John Rogan & Deborah Martin)
41. *Characterizing the Social-Environmental Risks to the Urban Forest in Worcester, MA.* **Yuka Fuchino '16** (in collaboration with Arthur Elmes, graduate student; Sponsors: Professors John Rogan & Deborah Martin)
42. *Characterizing the Role of the Built Environment in Determining Juvenile-Tree Survivorship in Worcester, Massachusetts.* **Eli Goldman '16** (in collaboration with Arthur Elmes, graduate student; Sponsors: Professors John Rogan & Deborah Martin)
43. *Characterizing tree cover change in response to urban greening initiatives using an in situ tree inventory, WorldView-2 and LiDAR data in Worcester, Massachusetts.* **Isabel Miranda '17** (in collaboration with Arthur Elmes, graduate student; Sponsors: Professors John Rogan & Deborah Martin)

continued

44. *Determining Detectability of Juvenile Trees with Airborne LiDAR.* **Hannah Rosenblum '16** (in collaboration with Arthur Elmes, graduate student; Sponsors: Professors John Rogan & Deborah Martin)
45. *Identifying Optimal Planting Locations in Worcester, MA Using Multi-Criteria Decision Analysis.* **Chung Truong-Nguyen '16** (in collaboration with Arthur Elmes, graduate student; Sponsors: Professors John Rogan & Deborah Martin)

Psychology

46. *Cultural Values and Prevalence of Marijuana Use Between Asian American and Asian International College Students.* **Emilie Backer '16** (Sponsor: Professor Kathleen Palm Reed)
47. *Narrative, Nostalgia and Friendship in Stand By Me.* **Jewel Beddia '16** (Sponsor: Professor Michael Bamberg)
48. *The Relationship Agency Scale: A Scale Validation Study.* **Kelly Berg '16 & Madeleyn Valenzuela '16** (Sponsor: Professor Randi Garcia)
49. *Moving Away From Monogamy: The Effects of Modern Romance on the Creation of Relationships.* **Nickie Boridehpaz '17** (Sponsor: Professor Michael Bamberg)
50. *Desire for Openness and Honesty about Distress among College Men.* **Kelsey Clary '16** (in collaboration with Ethan Hoffman, M.A.; Sponsor: Professor Michael Addis)
51. *Outcome Expectancies, Time Perspective and Marijuana.* **Mark Crisafulli '16** (in collaboration with Vicki Ameral, graduate student; Sponsor: Professor Kathleen Palm Reed)
52. *Perceptions of Individual-focused and Group-focused Leadership among Undergraduate Students.* **Nicole Curbelo '16** (Sponsors: Professor Nicola Curtin & Professor Diala Hawi)
53. *Implications of Gender Ideology and the division of Domestic Labour on the Marital Satisfaction of Couples.* **Marie Deininger '16** (Sponsor: Professor Randi Garcia)
54. *ACT for Parents of Anxious Children.* **Jake Dinerman '16** (in collaboration with Phoebe Moore Ph.D. - University of Massachusetts Medical School; Sponsor: Professor Esteban Cardemil)
55. *Living in Color: What we know vs. what remains to be known and done.* **Themal Ellawala '17** (in collaboration with Vickie Mays, PhD; Sponsor: Professor Esteban Cardemil)
56. *An Analysis of Narrative-Centric Social Commercials.* **Camille Anne Ferreol '17** (Sponsor: Professor Michael Bamberg)

continued

57. *The Complexities of Ingroup Obedience in Jewish Collective Resistance During the Holocaust.* **Emma Goldblum '16** (Sponsor: Professor Johanna Ray Vollhardt)
58. *What's Important To Criminal Psychopaths? An Exploratory Study Of Inmates' Values.* **Eliana Hadjiandreou '16** (in collaboration with the American Psychological Association and the Human Emotion Research Lab (HERL) at George Mason University; Sponsor: The Dean of the College Student Support Award)
59. *Alcohol Use, Social Norms, and Sense of Belongingness Among College Students and Recent Graduates.* **Samuel V. Highland '16** (Sponsor: Professor Kathleen Palm Reed)
60. *Efficacy of Empathy Training.* **Brittni Jenson '17** (Sponsor: Professor Denise Hines)
61. *Romanticized Psychological Abuse in Georgia.* **Keke Kaikhosroshvili '16** - Also associated with Women's and Gender Studies (Sponsor: Professor Andrew Stewart) –LEEP Project
62. *The Role of Religiosity in Predicting Teen Independence.* **Jake Kiley '17** (Sponsor: Professor Randi Garcia)
63. *Marijuana User-Profiles in College Students: Politics and Life Goals.* **Angeline Kopka '16** (Sponsor: Professor Kathleen Palm-Reed)
64. *Ethics in Practice: Why Ethical Behavior in Group Settings Predicts Positive Perception from Others.* **Declan Kurant '17** (Sponsor: Professor Andrew Stewart)
65. *Autism, Aggression and Courtesy Stigma: Public Perception of Parents with Children on the Spectrum.* **Kayla Landis '16** - Steinbrecher Fellow (Sponsor: Professor Nicole Overstreet)
66. *Social Anxiety and How it Relates to Increased Drinking in Female College Students.* **Jillian Levesque '17** (Sponsor: Professor Kathleen Palm Reed)
67. *Gender differences in the effect of emotion experiences on college students: "relation to depression".* **Muzi Lin '18** (Sponsor: Professor Andrew Stewart)
68. *The Measurement of Self-Objectification in Interpersonal Interactions.* **Jodie Martin '16** (Sponsor: Professor Randi Garcia)
69. *Silence and Invisibility in Men: An Exploration of Performance Based Versus Intra and Interpersonal Worries Among College Men.* **Mathilde McAlpin '18** (in collaboration with Ethan Hoffman, M.A.; Sponsor: Professor Michael Addis)
70. *Pakistanis in Interfaith Relationships: Religion, Parents and Society.* **Zoha Fatima Naqvi '16** (Sponsor: Professor James Córdoba)
71. *100 years after the genocide: Armenian Americans' attitudes toward reconciliation.* **Nicole Papazian '16** (in collaboration with Eliana Hadjiandreou, '16 & Michelle Twali, graduate student; Sponsor: Professor Johanna Ray Vollhardt)

continued

72. *Poor Sleep Quality in relation to High Consumption of Caffeinated Beverages and Stress among Clark University Students.* **Mintra Phophajit '16** (Sponsor: Professor Kathleen Palm Reed)
73. *Marijuana Misinformation as a Mediator of the Relationship Between Outcome Expectancies and Frequency of Use: An Exploratory Study.* **Meghan Reilly '16** (Sponsor: Professor Kathleen Palm Reed)
74. *Avoidant Attachment and its Correlation to Alcohol Consumption and Hookup Culture in College Students.* **Allie Rochette '16** (Sponsor: Professor Kathleen Palm Reed)
75. *Seeking Self-Certainty in an Uncertain Time: Attachment Style and Self-Esteem in Emerging Adulthood.* **Holly Rosen '16** (Sponsor: Professor Jeffrey Arnett)
76. *Instances of Depression in Children with Learning Disabilities.* **Ariel Rubin '16** (Sponsor: Professor Elena Zaretsky)
77. *The Effects of Pain on Binge Drinking.* **Alana Shapiro '16** (Sponsor: Professor Kathleen Palm Reed)
78. *Predictors of Inclusive and Exclusive Victim Consciousness in the Context of the Israeli-Palestinian Conflict: Findings among Jewish Americans.* **Miranda Smerling '18** (in collaboration with Michelle Twali, graduate student; Sponsor: Professor Johanna Ray Vollhardt)
79. *Attitudes and Access to Mental Health Services in the Worcester Community.* **Colleen Smith '17** (Sponsor: Professor Esteban Cardemil)
80. *Developing an Online Knowledge Management Curriculum for an Operations and Technology Consulting Firm.* **Also associated with Education:** **Yoni Sternberg '17** (Sponsor: Professor Johanna Ray Vollhardt) - LEEP Project
81. *Influence of Online v. Offline Stalking on the Well-Being of College Students.* **Christine Tinsman '16** (Sponsor: Professor Denise Hines)
82. *Experiences with Body Evaluation: Pathways to the Objectification of Women in Dyadic Interactions.* **Jeffrey Yorke '16** (Sponsor: Professor Randi Garcia)
83. *Parental Influence on Literary Development among English Language Learners.* **Alexandra Easton '16, Devin Barnes '17, Nora Turok '17 & Jessica Musto '17** (Sponsor: Professor Elena Zaretsky)
84. *The Role of L1 Literacy in Cross-Linguistic Transfer.* **Loren Roth '17, Julia Miller '17, Katlyn Tennyson '16 & Josephina Zuniga '16** (Sponsor: Professor Elena Zaretsky)

Public Health

85. *Behavioral Health and Prevention Internship.* **Lucyna Kogut '18** (Sponsor: Professor David Thurlow & Worcester Division of Public Health)
86. *Statistical Analysis of CUEMS Run Reports.* **Wenlan Lawrence '18, Rebecca Meservier '18, Samantha Sutton '17 & Justin Woods '18** (Sponsor: Professor Mark Turnbull) - LEEP Project

Sociology

87. *Disability and Identity in the College Context.* **Marie Deininger '16, Tia Hummel '17 & Hannah Besser '17** (Sponsor: Professor Patricia Ewick)

Academic Commons (Goddard Library - 1st floor)

Computer Science

1. *Simple game from the ground up.* **Christian Ramos '16, Brenda Franca '16 & Trish Le '16** (Sponsor: Professor John Magee)
2. *International Union for Conservation of Nature Ecosystem Visualizer.* **Zhuoming Tan '16 & Son Le '16** (Sponsors: Professors John Magee & Florencia Sangermano)

Cultural Anthropology

3. *Branding through Metaphors: customers' unconscious decisions create a new era of market strategy.* **Julia Carrasquel '16** (in collaboration with Protobrand - Kenneth Cabell; Sponsor: Professor Shari Worthington) - LEEP Project

Cultural Studies and Communication

4. *Modern Romance and the Influence of Technology.* **Cristina Martinez '16** (Sponsor: Professor Michael Bamberg)
5. *Proposal for a Female Space - Also associated with Entrepreneurship.* **Tricia Wise '16 & Faith Kelnhofer '16** (Sponsor: Professor Shari Worthington)

Economics

6. *International experiences in financing metro system in big cities.* **Trang Nguyen '17** (Sponsor: Career Services/Theodore H. Barth Foundation)
7. *Micro-financing: A Panacea for Women?* **Radhika Sharma '16** (Sponsor: Professor David Cuberes)

Economics Honors Program

8. *Votes Going to Waste: The Relationship Between Political Participation and Waste Generation.* **Thomas Anania '16** (Sponsor: Professor Jacqueline Geoghegan)
9. *Tightening the Belt: the Impact of Fiscal Policy.* **Doga Akar Bilgin '16** (Sponsor: Professor David Cuberes)

continued

10. *A New Paradigm for Urban Design: Exploring the Roles of Landuse and Network Centrality in Urban Land Productivity in Lafayette, Louisiana.* Savannah Cooley '16 - Also associated with Geography and Geographic Information Science (In collaboration with Urban3 and Lafayette Consolidated Government; Sponsors: Professor Junfu Zhang & Professor Jacqueline Geoghegan)
11. *Does Oil Drive the Bull and Bear?: An Industry Level Analysis Across Oil Importers and Exporters.* Rahul Dutt '16 (Sponsor: Professor David Cuberes)
12. *The Economic Impact of special Economic Zones in China.* Xinru Jin '16 (Sponsor: Professor Chang Hong)
13. *The Puck Stops Here: Salary Determination and Added Value in the National Hockey league.* Ye Jung Kim '16 (Sponsor: Professor Sang Hoo Bae)
14. *Falling Apples: A Gravity Analysis of Unit Value in the Presence of Processing Trade.* Justin Lewis '16 (Sponsor: Professor Chang Hong)
15. *Where should I plant my potato? A Foodshed Analysis Model in Massachusetts.* Maria Manning '16 (Sponsor: Professor Jacqueline Geoghegan)
16. *To Three or Not to Three: The Value of the Three-Point Shot in the NBA.* Justin Rydzziel '16 (Sponsor: Professor Sang Hoo Bae)
17. *Lifting the Curtain on Myanmar's Foreign Investments.* Sanika Shah '16 - Steinbrecher Fellow (Sponsor: Professor Chang Hong)

Education

18. *Nurturing the Future: Youth Empowerment through Creativity and Dialogue.* Jheanell Lumsden '16 (in collaboration with the Planning Institute of Jamaica; Sponsor: Professor Eric DeMeulenaere) - LEEP Project

English

19. *Betty and Beauvoir, Sally and Sartre: Mad Men's Gendered Existentialism.* Sasha Kohan '16 (Sponsor: Professor Betsy Huang)
20. 2016 Prentiss Cheney Hoyt Poetry Contest (Sponsor: Professor Jay Elliott)
 1st Place: Sarah Wells '17 for "Dissipate"
 2nd Place: Jessica Hoops '18 for "Depression"
 3rd Place: Mal Sklar '18 for "Sandmen"

continued

21. 2016 Betty '79 & Stanley Sultan Short Story Contest (Sponsor: Professor Jay Elliott)
 1st Place: **Thomas Rhalter '18** for “The Monarch”
 2nd Place: **Emily Denny '17** for “Mutually Assured Destruction”
 3rd Place: **Sarah Wells '17** for “Day One”
22. 2016 Loring Holmes & Ruth Dodd Drama Contest (Sponsor: Professor Jay Elliott)
 1st Place: **Emily Denny, '17** for “The Lavenders (excerpt)”
 2nd Place: **Sarah Wells, '17** for “Step One”
 3rd Place: **Chloe Anderson, '17** for “Inked”

Innovation & Entrepreneurship

23. *Impact study of The Local Root on Clark community.* **Trang Nguyen '17** (Sponsor: Amy Whitney)
24. *Impacts of the Community Thrift Store on Clark and Worcester community.* **Trang Nguyen '17** (Sponsor: Jenny Isler)

Interdisciplinary Projects

25. *Creating a Power Relations Module for Clark's Program of Liberal Studies Requirements.* **Pinar Barlas '16** (Sponsor: Professor Denise Humphreys-Bebbington) –LEEP Project

International Development and Social Change

26. *Gateway Cities and Food Insecurity.* **Jessica Horton '16** (Sponsor: Professor Ken MacLean)
27. *(RED): The Fight Against HIV/AIDS.* **Sabina Verghese '16** (Sponsor: Professor Anita Fabos)
28. *Next Generation Data Challenge: Wires Over the World.* **Samantha Wallace '16** (in collaboration with Chris Markman; Sponsors: Professor Nigel Brissett & Next Generation Data Challenge) - LEEP Project
29. *Breaking the Legacy.* **Miranda Weinstein '16** (Sponsor: Professor Ken MacLean)
30. *Food Justice in Central Massachusetts.* **Jessie Zelisko '16** (Sponsor: Professor Cynthia Caron)

Mathematics

31. *Extracting gene expression data from images of Drosophila embryos.* **Logan Bishop-Van Horn '17** (Sponsor: Professor Jacqueline Dresch)

Physics

32. *Searching for the FFLO state in quasi 2D superconductors.* **Logan Bishop-Van Horn '17 & Max Newman '17** (Sponsor: Professor Charles Agosta)
33. *In Silico Evolution of Biochemical Oscillators with Synchronization.* **Alec Ikei '17** (in collaboration with Ammar Tareen, graduate student; Sponsor: Professor Ranjan Mukhopadhyay)
34. *A simple model of Earthquakes.* **Ayush Joshi '16** (Sponsor: Professor Louis Colonna-Romano)
35. *Scanning Tunneling Microscopy of Charge Density Wave States in TbTe₃.* **Aaron Kraft '16** (in collaboration with Ling Fu & Bishnu Sharma, graduate students; Sponsor: Professor Michael Boyer)
36. *Zipf's Law and Applications.* **Nizar Naitlho '16** (Sponsor: Professor Ranjan Mukhopadhyay)
37. *Evolutionary Dynamics.* **Greg Schulman '16** (Sponsor: Professor Ranjan Mukhopadhyay)

Women's and Gender Studies

38. *Colonizing Black Female Bodies: A Violation of Reproductive Rights and Informed Consent in Octavia Butler's Dawn.* **Raquel Doucette '16** (Sponsor: Professor Esther Jones)

OTHER EVENTS AND DISPLAYS

Academic Commons

Rare Book Open House (1:00 - 3:00 pm)

Rare Book Open House in the Rare Book Room, 1st Floor of the Academic Commons (just past the escort desk)

1:00-3:00 pm: Displays, presentations, and hands-on demonstrations of Renaissance, early modern and miniature books by students in the Introduction to Archival Research seminar (sponsors: Meredith Neuman and Fordyce Williams)

continued

OTHER EVENTS AND DISPLAYS

Academic Commons

Scholarly Undergraduate Research Journal (SURJ)

SURJ is proud to announce the publication of its second volume! SURJ is Clark's interdisciplinary undergraduate research journal and provides a forum for student researchers as well as those interested in the peer review and publishing process. There are seven students featured in this year's issue with articles ranging from psychology to comparative literature. There are a limited number of free printed copies being distributed for those interested in getting one.

If you would like to get involved, let us know through our website!

<http://www.surjatclarku.com/join-surj/>

Traina Center for the Arts

Visual and Performing Arts (4:00 - 6:00 pm)

Studio Arts Thesis Exhibition (sponsor: Professor Stephen DiRado)
Schiltkamp Gallery, 92 Downing Street

Opening Reception: 4:00-6:00pm Today, April 27, 2016

This annual exhibition is a group show celebrating a diverse selection of art by graduating Studio Art majors. This year the students are:

Angeline Kopka '16, Mehran Ali '16, Rose Gallogly '16, Galen Hartwell '16, Chushu Ye '16, Casey Shea '16 & Bingqin Xiang '16

continued

OTHER EVENTS AND DISPLAYS

Traina Center for the Arts

Music (2:00 - 4:00 pm)

Music Majors Graduation Symposium (sponsor: Professor Benjamin Korstvedt)

As part of Academic Spree Day, our group of graduating music majors will each present a portfolio of their work and discuss their capstone project

Wednesday, April 27, Traina Center, Room 111, from 2:00-4:00 PM

Denisha Brace '16: "How a Singer Prepares"

Akiba Davis '16: "Contemplating Revolution"

Moises Duron '16, Steinbrecher Fellow: "What does it mean to be a composer? "

Jon McClees '16: "Recording a Rock Album"

Ariel Rubin '16: "How Different Modes of Classical Music Affect Emotion"

Chung Truong-Nguyen '16: "The Geography of Music"

Anayis Wright '16: "To Welcome Old Rosin the Bow: Bridging Classical Cello and Folk Song"

Academic Spree Day 2016

Sponsored by the Office of the Dean of the College

Faculty Coordinator: Professor James V. Córdova, Department of Psychology

Staff Coordinator: Karen Wilber, Department of Psychology